



Attorney's Docket No.: 12732-075002 / US5208/5209D1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Akira Ishikawa Art Unit : 2826  
Serial No. : 10/728,903 Examiner : Tuan N. Quach  
Filed : December 8, 2003 Confirmation No.: 9311  
Title : SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Applicant requests consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request. A copy of a communication from a foreign patent office in a counterpart application is also enclosed.

Applicant notes that, in addition to the three patents cited in the search report, the search report identifies a substantial number of related family patents. In the interest of efficiency, applicants have only submitted one version of each group of references that shares a common disclosure.

This statement is being filed before the receipt of a first Office Action on the merits.  
Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

  
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Patent and Trademark Office

Sheet 1 of 2

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| Substitute Form PTO-1449<br>(Modified)   |  | Attorney's Docket No.<br>12732-075002 | Application No.<br>10/728,903 |
| <b>Information Disclosure Statement<br/>by Applicant</b><br>(Use several sheets if necessary)<br><br>(37 CFR §1.98(b)) |  | Applicant<br>Akira Ishikawa           |                               |
|  |  | Filing Date<br>December 8, 2003       | Group Art Unit<br>2826        |

### U.S. Patent Documents

| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee        | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|-----------------|------------------|-----------------|-------|----------|----------------------------|
|                  | AA        | 5,166,556       | 11/24/1992       | Hsu et al.      |       |          | 01/22/1991                 |
|                  | AB        | 5,206,749       | 04/27/1993       | Zavracky et al. |       |          | 12/31/1990                 |
|                  | AC        | 5,256,562       | 10/26/1993       | Vu et al.       |       |          | 11/04/1992                 |
|                  | AD        | 5,258,325       | 11/02/1993       | Spitzer et al.  |       |          | 02/13/1992                 |
|                  | AE        | 5,317,236       | 05/31/1994       | Zavracky et al. |       |          | 12/31/1991                 |
|                  | AF        | 5,331,149       | 07/19/1994       | Spitzer et al.  |       |          | 12/04/1992                 |
|                  | AG        | 5,376,561       | 12/27/1994       | Vu et al.       |       |          | 04/24/1992                 |
|                  | AH        | 5,376,979       | 12/27/1994       | Zavracky et al. |       |          | 08/13/1993                 |
|                  | AI        | 5,396,304       | 03/07/1995       | Salerno et al.  |       |          | 02/10/1993                 |
|                  | AJ        | 5,444,557       | 08/22/1995       | Spitzer et al.  |       |          | 09/11/1992                 |
|                  | AK        | 5,467,154       | 11/14/1995       | Gale et al.     |       |          | 02/10/1993                 |
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|                  | AM        | 5,581,385       | 12/03/1996       | Spitzer et al.  |       |          | 03/24/1995                 |
|                  | AN        | 5,661,371       | 08/26/1997       | Salerno et al.  |       |          | 03/04/1996                 |
|                  | AO        | 5,666,175       | 09/09/1997       | Spitzer et al.  |       |          | 08/29/1994                 |
|                  | AP        | 5,692,820       | 12/02/1997       | Gale et al.     |       |          | 01/27/1995                 |
|                  | AQ        | 5,743,614       | 04/28/1998       | Salerno et al.  |       |          | 06/07/1995                 |
|                  | AR        | 5,751,261       | 05/12/1998       | Zavracky et al. |       |          | 08/13/1993                 |
|                  | AS        | 5,861,929       | 01/19/1999       | Spitzer         |       |          | 11/04/1992                 |
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|                  | AV        | 6,072,445       | 06/06/2000       | Spitzer et al.  |       |          | 06/07/1995                 |
|                  | AW        | 6,320,568 B1    | 11/20/2001       | Zavracky        |       |          | 12/27/1994                 |
|                  | AX        | 6,424,020 B1    | 07/23/2002       | Vu et al.       |       |          | 12/29/1997                 |

### Foreign Patent Documents or Published Foreign Patent Applications

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|
|                  |           |                 |                  |                          |       |          | Yes      No |

|                    |                 |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

|  |  |  |                        |                                       |                               |
|--|--|--|------------------------|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449<br>(Modified)   |  | U.S. Department of Commerce<br>Patent and Trademark Office |                        | Attorney's Docket No.<br>12732-075002 | Application No.<br>10/728,903 |
| <b>Information Disclosure Statement</b><br><b>by Applicant</b><br><small>(Use several sheets if necessary)</small> |  | Applicant<br>Akira Ishikawa                                |                        |                                       |                               |
| (37 CFR §1.98(b))  |  | Filing Date<br>December 8, 2003                            | Group Art Unit<br>2826 |                                       |                               |

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|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
|                  |           |                 |                  |                          |       |          | Yes         | No |
|                  | AY        |                 |                  |                          |       |          |             |    |
|                  | AZ        |                 |                  |                          |       |          |             |    |
|                  | AAA       |                 |                  |                          |       |          |             |    |
|                  | ABB       |                 |                  |                          |       |          |             |    |
|                  | ACC       |                 |                  |                          |       |          |             |    |

### Other Documents (include Author, Title, Date, and Place of Publication)

| Examiner Initial | Desig. ID | Document  |
|------------------|-----------|---|
|                  | ADD       | Australian Patent Office Communication – Search Report (Singapore Patent Application No. 200105539-1) dated September 30, 2004; 4 pages |
|                  | AEE       |   |
|                  | AFF       |   |
|                  | AGG       |   |

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|--|-----------------|
| Examiner Signature   | Date Considered |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |